

DO NOT ENTER

AMENDMENTS

Listing of Claims

The following listing of claims replaces all previous listing or versions thereof:

1. (Currently amended) A DNA segment comprising a protein coding region encoding an Osterix polypeptide, wherein said polypeptide comprises a transactivation domain, a zinc finger domain and a proline rich domain, wherein said transactivation domain comprises an amino acid sequence from between position 27 and position 270 of SEQ ID NO:2, said zinc finger domain comprises an amino acid sequence from between position 290 and position 374 of SEQ ID NO:2, and said proline rich domain comprises an amino acid sequence from between position 27 and position 192 of SEQ ID NO:2.

2-10. (Canceled)

11. (Original) The DNA segment of claim 1, wherein said Osterix polypeptide is further defined as having the sequence of SEQ ID NO:2.

12-16. (Canceled)

17. (Original) The DNA segment of claim 1, wherein said DNA segment comprises a contiguous nucleic acid sequence from SEQ ID NO:1.

18. (Original) The DNA segment of claim 1, encoding an Osterix protein of 428 amino acids in length.

19. (Original) The DNA segment of claim 1, wherein the Osterix coding region is positioned under the control of a promoter.

20. (Original) The DNA segment of claim 19, wherein said promoter is a recombinant promoter.